



10/053,003

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Leonard Forbes	Examiner:	Robert M Kunemund
Serial No.:	10/053,003	Group Art Unit:	1765
Filed:	January 17, 2002	Docket:	1303.042US1
Title:	THREE-DIMENSIONAL COMPLETE BANDGAP PHOTONIC CRYSTAL FORMED BY CRYSTAL MODIFICATION		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement.

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

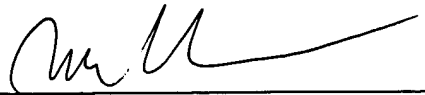
Respectfully submitted,

LEONARD FORBES

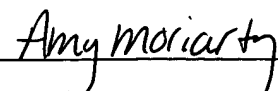
By his Representatives,

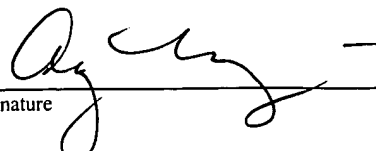
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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Date 6-15-04

By 
Viet V. Tong
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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 15th day of June, 2004.

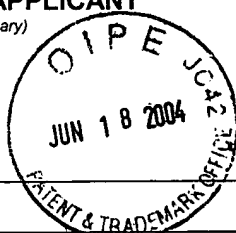
Name 

Signature 

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/053,003
Filing Date	January 17, 2002
First Named Inventor	Forbes, Leonard
Group Art Unit	1765
Examiner Name	Kunemund, Robert

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Attorney Docket No: 1303.042US1

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-6,423,613	07/23/2002	Geusic, Joseph	438	455	11/10/1998
	US-6,542,682	04/01/2003	Cotteverte, J. J., et al.	385	125	08/15/2001
	US-6,582,512	06/24/2003	Geusic, Joseph E., et al.	117	3	05/22/2001
	US-6,630,713	10/07/2003	Geusic, Joseph	257	347	02/25/1999

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BIRNER, A , "Macroporous Silicon: A Two-Dimensional Photonic Bandgap Material Suitable for the Near-Infrared Spectral Range", <u>Physica Status Solidi A</u> ; 65(1), (January 16, 1998),111-117	
		BLANFORD, C F., "Gems of Chemistry and Physics: Macroporous Metal Oxides with 3D Order", <u>Advanced Materials</u> , 13(6), (March 2001),	
		EDRINGTON, A C., "Polymer-Based Photonic Crystals", <u>Advanced Materials</u> , 13(6), (March 2001),421-425	
		JIANG, P , "The Fabrication and Bandgap Engineering of Photonic Multilayers", <u>Advanced Materials</u> , 13(6), (March 2001),389-393	
		JOHNSON, S G., "Guided modes in photonic crystal slabs", <u>Physical Review B (Condensed Matter)</u> , 60(8), (August 15, 1999),5751-8	
		LI, Z Y., "Photonic Bandgaps in Disordered Inverse-Opal Photonic Crystals", <u>Advanced Materials</u> , 13(6), (March 2001),433-436	
		LONCAR, M , "Waveguiding in planar photonic crystals", <u>Applied Physics Letters</u> , 77(13), (September 25, 2000),1937-1939	
		LU, Y , "Three-Dimensional Photonic Crystals with Non-spherical Colloids as Building Blocks", <u>Advanced Materials</u> , 13(6), (March 2001),415-420	
		MANOHARAN, V N., "Photonic Crystals from Emulsion Templates", <u>Advanced Materials</u> , 13(6), (March 2001),447-450	
		MIGUEZ, H , "Synthesis and Photonic Bandgap Characterization of Polymer Inverse Opals", <u>Advanced Materials</u> , 13(6), (March 2001),393-396	
		NI, P , "Synthetic SiO ₂ Opals", <u>Advanced Materials</u> , 13(6), (March 2001),437-441	
		NORRIS, D J., "Chemical Approaches to Three-Dimensional Semiconductor Photonic Crystals", <u>Advanced Materials</u> , 13(6), (March 2001),371-376	
		SMITH, C J., "Low-loss channel waveguides with two-dimensional photonic crystal boundaries", <u>Applied Physics Letters</u> , 77(18), (October 30, 2000),2813-2815	
		SUBRAMANIA, G , <u>Advanced Materials</u> , 13(6), Inverse Face-Centered Cubic Thin Film Photonic Crystals,(March 2001),443-446	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached

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**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
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Application Number	10/053,003
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First Named Inventor	Forbes, Leonard
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Examiner Name	Kunemund, Robert

Sheet 2 of 2

Attorney Docket No: 1303.042US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		TESSIER, P M., "Structured Metallic Films for Optical and Spectroscopic Applications via Colloidal Crystal Templating", <u>Advanced Materials</u> , 13(6), (March 2001),396-400	
		XIA, Y , "Photonic Crystals", <u>Advanced Materials</u> , 13(6), (March 2001),369	
		XIA, Y , "Self-Assembly Approaches to Three-Dimensional Photonic Crystals", <u>Advanced Materials</u> , 13(6), (March 2001),409-413	
		YANG, P , "Patterning Porous Oxides within Microchannel Networks", <u>Advanced Materials</u> , 13(6), (March 2001),427-431	

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DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached